

Title (en)

OPTIMIZING RANGE OF AIRCRAFT DOCKING SYSTEM

Title (de)

OPTIMIERUNG DER REICHWEITE EINES FLUGZEUG-ANDOCKSYSTEMS

Title (fr)

OPTIMISATION DE LA PORTÉE D'UN SYSTÈME D'ATERRISSAGE POUR AÉRONEF

Publication

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Application

**EP 19181477 A 20160321**

Priority

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Abstract (en)

The present invention relates to an aircraft docking system comprising: a light based verification and positioning system adapted to scan a volume in connection to a stand, a receiving unit adapted to receive surveillance data from an airport surveillance system, wherein the light based verification and positioning system is further adapted to control the extension of the scanned volume based on the received surveillance data.

IPC 8 full level

**B64F 1/00** (2006.01); **G08G 5/06** (2006.01)

CPC (source: EP KR RU US)

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Citation (search report)

- [X] WO 9915406 A1 19990401 - SIEMENS AG [DE], et al
- [X] WO 9620465 A1 19960704 - GUSTAVSSON KENNETH [SE], et al
- [X] US 6023665 A 20000208 - MILLGARD LARS [SE]
- [X] US 6563432 B1 20030513 - MILLGAARD LARS [SE]
- [X] US 6282488 B1 20010828 - CASTOR ROBERT [DE], et al
- [X] DE 4301637 A1 19940811 - DEUTSCHE AEROSPACE [DE]
- [X] US 2002030609 A1 20020314 - BAUMGARTNER KLAUS [DE], et al
- [X] WO 2013141605 A1 20130926 - ANSE TECHNOLOGIES CO LTD [KR]
- [A] EP 2660153 A2 20131106 - FMT INT TRADE AB [SE]
- [X] SAFEGATE GROUP: "Safegate Group - SafePerformance -Global Description", 24 January 2014 (2014-01-24), XP055303607, Retrieved from the Internet <URL:https://web.archive.org/web/20140124172949/http://www.safegate.com/data/safegate/files/file\_element/40f3e9dd1d4e37be3f1f54107343d5ea/SafePerformance\_Global\_Desc\_130719\_LR.pdf> [retrieved on 20160919]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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